



Utility Inspection and Verification under the UACV Contract

A Consultants Perspective





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Why should we inspect utility adjustments?



Safety!

Understanding the Project





Safety!

Compliance



Example of Typical Underground





Safety!

Compliance

Project Records



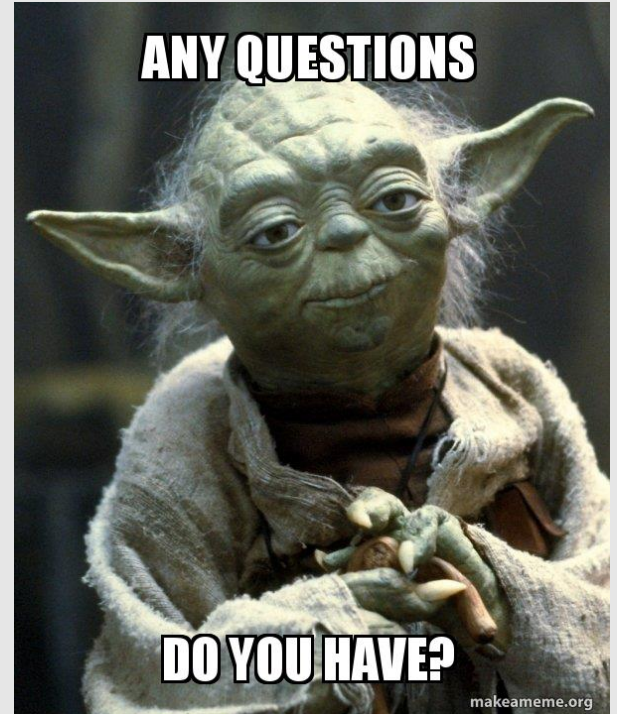


Scoping the Project





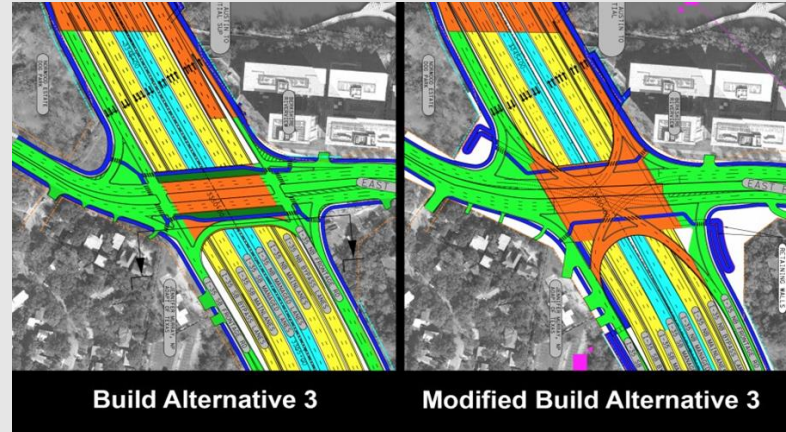
Begin by Asking Questions!



Scoping the Project Work



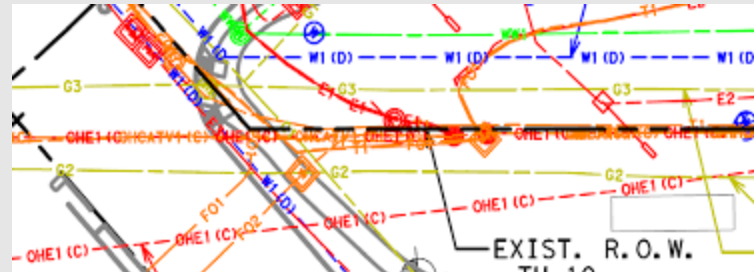
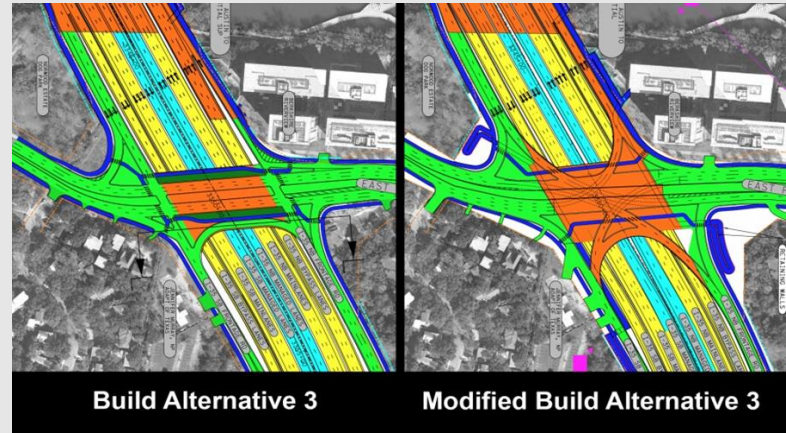
- What are the project details?
 - Clear understanding of highway project
 - Work
 - Schedule
 - Issues



Scoping the Project Work



- What are the project details?
 - Clear understanding of highway project
 - Work
 - Schedule
 - Issues
 - Clear understanding of utility adjustments
 - Work
 - Schedule
 - Issues





- Where is the project location?
 - Urban
 - Rural
 - Metro



- Are there geographical considerations?
 - Limited ROW





- Are there geographical considerations?
 - Limited ROW
 - Construction Zones





- Are there geographical considerations?
 - Limited ROW
 - Construction Zones
 - Topography





- Are there geographical considerations?
 - Limited ROW
 - Construction Zones
 - Topography
 - Bridges





- Are there geographical considerations?
 - Limited ROW
 - Construction Zones
 - Topography
 - Bridges
 - Off ROW
 - Utility Easement/Fee
 - Railroad



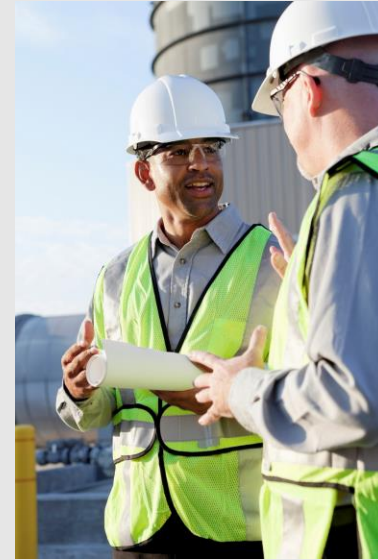


- What other work is going on?
 - Differentiate between CEI/UC provided services
 - Clarify Joint Bid work
 - Items which are to be installed by highway contractor
 - Applicable special specs





Performing the Inspections





- What information is needed prior to beginning?
 - Safety requirements

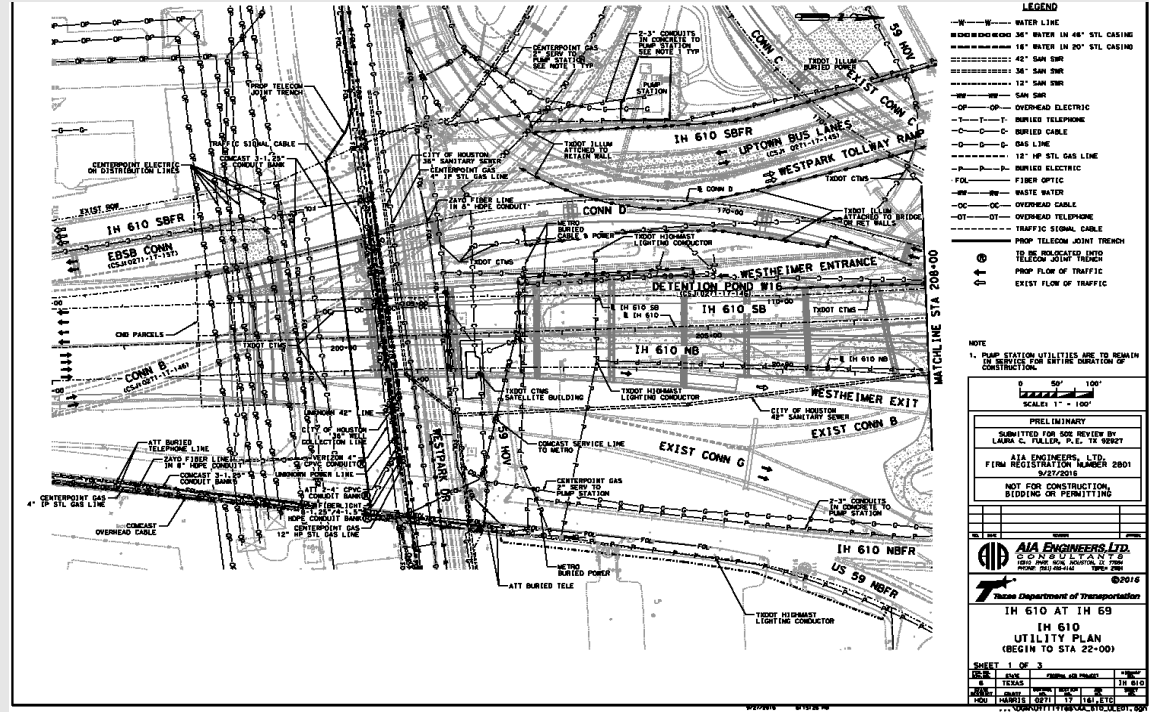


Inspection Requirements



What information is needed prior to beginning?

- Safety requirements
- Project Plans

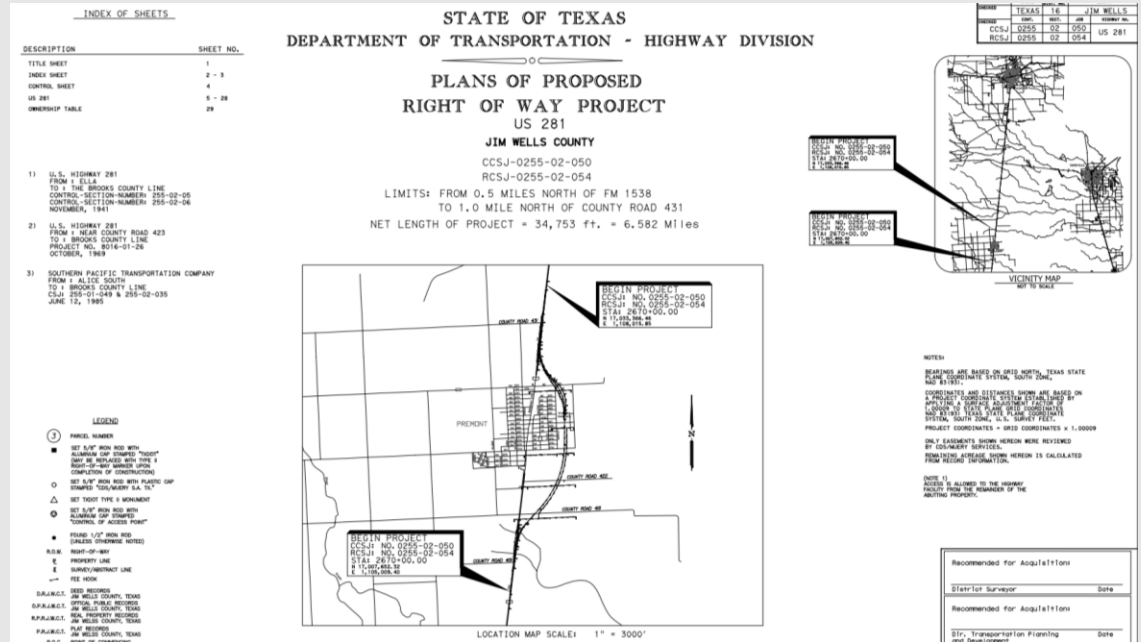


Inspection Requirements



What information is needed prior to beginning?

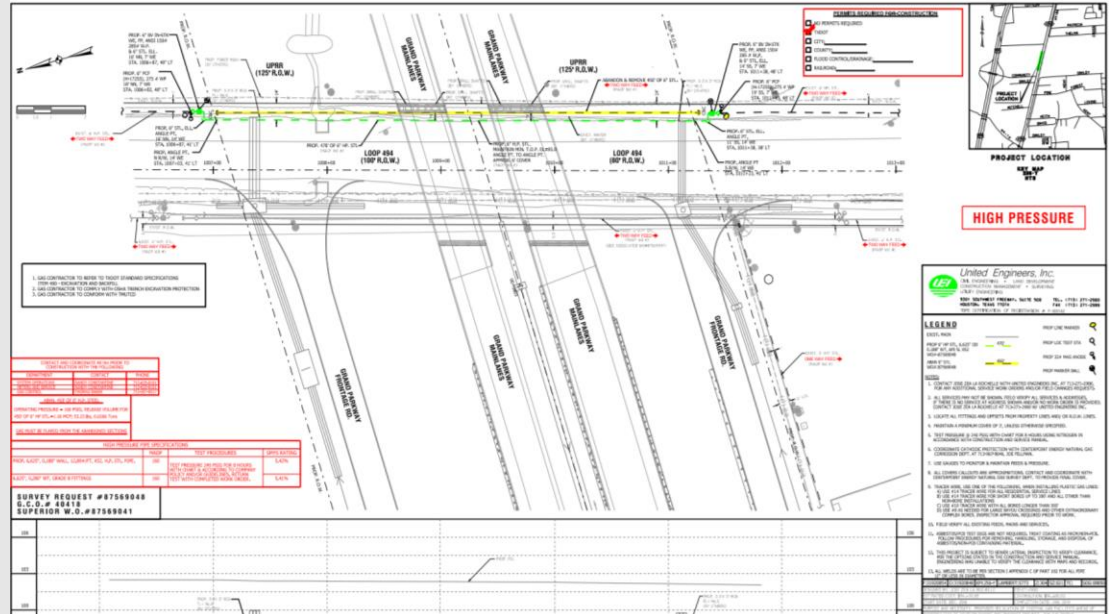
- Safety requirements
- Project Plans
- ROW maps/ROW marked



Inspection Requirements



- What information is needed prior to beginning?
 - Safety requirements
 - Project Plans
 - ROW maps/ROW marked
 - Utility installation plans





- What information is needed prior to beginning?
 - Safety requirements
 - Project Plans
 - ROW maps/ROW marked
 - Utility installation plans/materials/schedule
 - Highway construction schedule



- **What information is needed prior to beginning?**
 - Safety requirements
 - Project Plans
 - ROW maps/ROW marked
 - Utility installation plans/materials/schedule
 - Highway construction schedule

- **How will field visits be documented?**



- What specific criteria will be inspected?
 - Utility installation location





- What specific criteria will be inspected?
 - Utility installation location
 - Materials




Inspection Requirements



- What specific criteria will be inspected?
 - Utility installation location
 - Materials
 - Buy America Verification

Material Statement

Sheet 1 of 1



Supplier: CONSOLIDATED PIPE & SUPPLY COMPANY
 Address: 15810 PARK TEN PLACE, SUITE 180
HOUSTON, TEXAS 77064
 Contract No.: 460030235

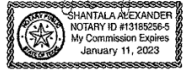
County: MONTGOMERY
 Project: GRAND PARKWAY (SH-99) AT LOOP 494
 Control: SBP-3-0525
 Contractor: DISCO

Purchase Order No.	Quantity (Amt./Units)	Material Description	Mill Name	Heat No.	Material Use	Required Spec.	Documentation MTR	Cert.
506125830	10 FT	6" STL PIPE, FBC, 1.88W, ERW, 12.92#/FT	NUCOR	1283655	PIPELINE	179607	X	
506202872	735 FT	4" STL PIPE, FBC, 1.55W, ERW, 7.24#/FT WO: 87569397 - 3/6/2019 TO 4/5/2019	WARREN	41822990	PIPELINE	179602	X	
506125830	540 FT	6" STL PIPE, FBC, 1.88W, ERW, 12.92#/FT WO: 87569048 - 3/6/2019 TO 3/26/2019	NUCOR	1283655	PIPELINE	179607	X	

This is to certify that the materials listed above and on the attached supplement (if attached) are in conformance with the governing specification(s). This is to also certify that all manufacturing processes for steel and iron materials or for the application of coatings (spray, galvanizing, painting or any other coating that protect or enhances the value of the steel or iron metal) to these materials occurred in the United States of America. Manufacturing processes are defined as all processes required to change the raw ore or scrap metal into the finished in-place steel or iron product. The attached mill test reports (MTR) and Certifications (Cert) are offered as proof of Domestic Origin.

Subscribed and sworn to before me this 24th day of August, 2022
 Notary Public: Shantala Alexander
 My Commission expires: January 11, 2023

I declare under penalty of perjury under the laws of the United States of America and the State of Texas that the foregoing is true and correct and that I am authorized to sign for the Firm listed below.
DAVID L. HESS, MANAGER GAS MATERIALS MANAGEMENT
 (Type Name and Title)
 CENTERPOINT ENERGY
 (Firm Name)
 Date: 8/24/2022





- What specific criteria will be inspected?
 - Utility installation location
 - Materials
 - Buy America Verification
 - Verify survey of installed utility features
 - Weld Points
 - Protective Slabs
 - Handholes/Pedestals



- What specific criteria will be inspected?
 - Possible additional responsibilities
 - Safety





- What specific criteria will be inspected?
 - Possible additional responsibilities
 - Safety
 - Traffic Control





- What specific criteria will be inspected?
 - Possible additional responsibilities
 - Safety
 - Traffic Control
 - ROW monitoring





- What specific criteria will be inspected?
 - Possible additional responsibilities
 - Safety
 - Traffic Control
 - ROW monitoring
 - Utility completion



- Schedule
 - Attend meetings
 - Pre-Con
 - Monthly/Weekly Status
 - Field Meetings
 - Safety/Tailgate meetings
 - Training
 - Project Specific
 - RR Safety





- Schedule

- Frequency of field visits

- As-needed
 - Regularly
 - On-Call?
 - Weekends?





- Schedule
 - Maintain utility adjustment progress schedule
 - Utilize UACV Milestone Checklist
 - Required for billing

27.2.7. Inspection and Verification													
27.2.7.1.	Permitted Utilities have been adjusted and verified by the vendor. Milestone payments are based on percentage of each utility adjustment which is calculated by linear feet of the utility adjustment completion. Buy America inspection will be included within the milestone payments. 50% milestone payment occurs after each utility adjustment has reached 50% of completion and is paid per each utility adjustment.	PAID		NOT SCOPE		NOT SCOPE		NOT SCOPE		NOT SCOPE		NOT SCOPE	
27.2.7.2.	Reimbursable Agreement Utilities have been adjusted and been verified by the vendor. Milestone payment are based on percentage of each reimbursable agreement utility adjustment which is calculated by linear feet of the reimbursable agreement utility adjustment completion. Buy America inspection will be included within the milestone payments. 50% milestone is paid per each reimbursable agreement utility adjustment completion and receipt of associated as-built plans in accordance with the specific relocation. The as-built plans should be reviewed by the vendor to verify utility location as per the inspection and compliance with the UAR.	Planned		NOT SCOPE		NOT SCOPE		NOT SCOPE		NOT SCOPE		NOT SCOPE	
27.2.8. Utility Agreement Billing and Invoicing													

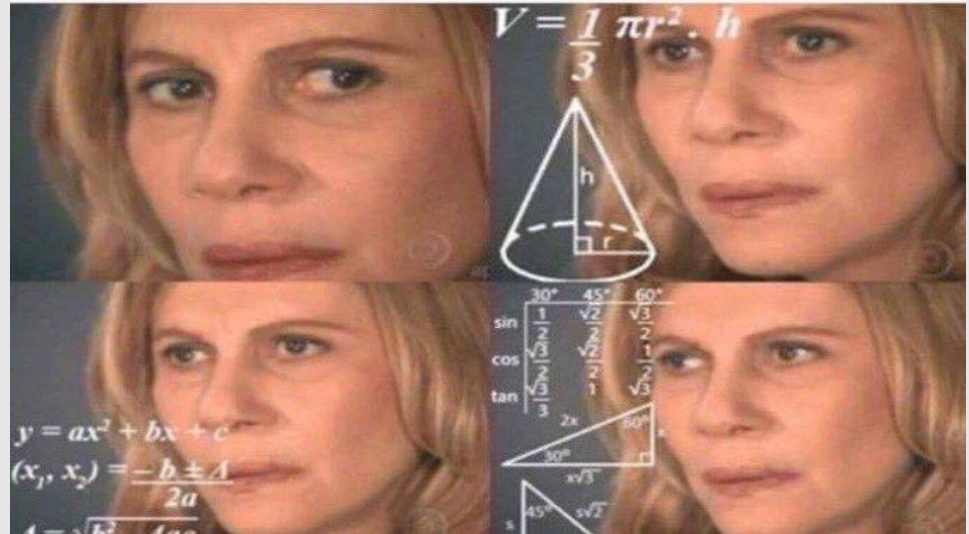


- Establish Communication Protocol





- Establish Communication Protocol
 - What information needs to be disseminated?





- Establish Communication Protocol
 - What information needs to be disseminated?
 - What format does the information need to be in?





- Establish Communication Protocol
 - What information needs to be disseminated?
 - What format does the information need to be in?
 - Who needs the information?



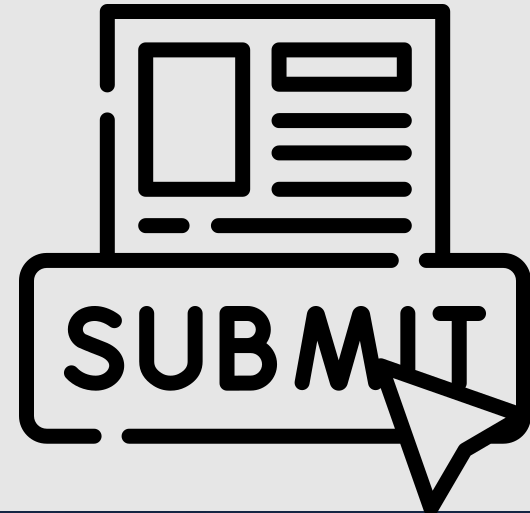


- Establish Communication Protocol
 - What information needs to be disseminated?
 - What format does the information need to be in?
 - Who needs the information?
 - Who can talk to who?





- Establish Communication Protocol
 - What information needs to be disseminated?
 - What format does the information need to be in?
 - Who needs the information?
 - Who can talk to who?
 - How often will the information be sent out?





- Establish Communication Protocol
 - What information needs to be disseminated?
 - What format does the information need to be in?
 - Who needs the information?
 - Who can talk to who?
 - How often will the information be sent out?
 - What is the preferred method of communication?





Closeout



- Closeout
 - When is the installation complete?
 - Checklist completion
 - Physical adjustment complete
 - De-Mob
 - Material Removal
 - Landscaping
 - Concrete Break Test Pass
 - As-Builts



- Other Considerations
 - Field Changes/Supplemental Agreements
 - Emergency Work
 - New permitted utilities
 - Unidentified utilities
 - Bridge attachments
 - Utility “issues”



The Consultant View

The Consultant view - Scoping



- How do we price our services?
 - Level of effort based on:
 - Number of utilities

The screenshot shows an Excel spreadsheet with the following content:

Right of Way Division - Utility Portfolio Section Utility Accomodation, Coordination and Verification (UACV)			
REQUEST FOR SERVICES			
Requesting DDO:	Type of Work Authorization Needed:	Date of Initial Request:	
DAL - 18	PO Release ID - Release No.	6/15/2022	
Contact Information		Project Information	
Project Manager (District): Darla Payberah		CCSJ: 0009-12-215	
Phone Number: 214 320-4436		RCSJ: 0009-12-223	
Email: Darla.Payberah@txdot.gov		County: Rockwall	
Alternate Contact: Cody Jolley		HWY: IH 30	
Phone Number: 972-523-8898		Limits From: Dalrock Rd	
Email: cody.jolley@txdot.gov		Limits To: SH 205	
UPS CONTACT: Mario Mendez		Federal Project No:	
Phone Number: (214) 320-6103		Proposed LET Date: Jun-22	
Email: mario.mendez@txdot.gov		Ready To LET Date: May-22	
Non-Reimbursable Utilities: 0		Contract Service Date: 2021	
Reimbursable Utilities: 6		AREA: NORTH	
Estimated Number of Utilities: 16			
Estimated Duration (Months): 12			
Comments / Notes			
This contract is for the remaining inspection and UACV coordination duties of a previous contract. This contract will include but is not limited to preparing the as-builts, assisting with payments of previously executed contracts, providing requested documentation verifying utility relocations and holding update meetings. 6 Standard Utility Agreements have been executed. 2 of the 6 Standard Utility Agreements will require BA inspection. 10 new installation permits are projected and included in UIR Permit installations for review, however no inspection is requested for new installations under this PO. Supplemental Agreements may be required prior to billing, therefore, 6 agreements are projected with an estimated cost of \$2,500 per Supplemental Agreement and identified in 27.2.6, Utility Reimbursement Agreement Milestones.			

The Consultant view - Scoping



- How do we price our services?
 - Level of effort based on:
 - Number of utilities
 - Adjustment complexity

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PRE-Request Checklist REQUEST FOR SERVICE- SCOPE Milestone Fee and Scope Milestone Checklist RELEASE Allocation of Funds US		



- How do we price our services?
 - Level of effort based on:
 - Number of utilities
 - Adjustment complexity
 - Permitted/Reimbursable

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27.2.8. Utility Agreement Billing and Invoicing													



- How do we price our services?
 - Level of effort based on:
 - Number of utilities
 - Adjustment complexity
 - Permitted/Reimbursable
 - Schedule
 - Length of project
 - Time on-site
 - Meetings



- How do we price our services?
 - Level of effort based on:
 - Number of utilities
 - Adjustment complexity
 - Permitted/Reimbursable
 - Schedule
 - Length of project
 - Time on-site
 - Meetings
 - Admin Fee



- When can consultant invoice for their work?
 - Milestone requirements have been met
 - Based on linear feet of adjustment
 - Utility adjustment progress
 - Review of As-Builts
 - Checklist completion

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Closing

